

DECLASSIFIED

jh 11/21/22

Initials/Date

**** CONFIDENTIAL ****

****PRE-DECISIONAL DOCUMENT ****

**** SUMMARY SCORESHEET ****

**** FOR COMPUTING PROJECTED HRS SCORE ****

**** Do Not Cite or Quote ****

Site Name: Eighth Street Site

Region: Region 2

Scenario Name: Site Reassessment

City, County, State: Jersey City/Hudson
County, New Jersey

Evaluator:

EPA ID#: NJD986571115

Date:

Lat/Long: 40:43:38,-74:3:3

Congressional District: 13th

This Scoresheet is for:

Scenario Name: Site Reassessment

Description: Sometime prior to the construction of a warehouse Bldg. at 383 Eighth Street chromate waste contaminated fill was placed on the site. Some soil removal has taken place. Sampling by NJDEP has confirmed soil contamination beneath concrete floor of Bldg. GW not impacted. No exposed soil, site is completely developed.

	S pathway	S ² pathway
Ground Water Migration Pathway Score (S _{gw})	0.0	0.0
Surface Water Migration Pathway Score (S _{sw})	0.0	0.0
Soil Exposure Pathway Score (S _s)	0.13	0.02
Air Migration Score (S _a)	0.0	0.0
$S_{gw}^2 + S_{sw}^2 + S_s^2 + S_a^2$		0.02
$(S_{gw}^2 + S_{sw}^2 + S_s^2 + S_a^2)/4$		0.0
$/ (S_{gw}^2 + S_{sw}^2 + S_s^2 + S_a^2)/4$		0.06

Pathways not assigned a score (explain):

TABLE 3-1 --GROUND WATER MIGRATION PATHWAY SCORESHEET

Factor categories and factors	Maximum Value	Value Assigned
Aquifer Evaluated: GW Pathway		
Likelihood of Release to an Aquifer:		
1. Observed Release	550	0.0
2. Potential to Release:		
2a. Containment	10	10.0
2b. Net Precipitation	10	6.0
2c. Depth to Aquifer	5	3.0
2d. Travel Time	35	15.0
2e. Potential to Release [(lines 2a(2b + 2c + 2d)]	500	240.0
3. Likelihood of Release (higher of lines 1 and 2e)	550	240.0
Waste Characteristics:		
4. Toxicity/Mobility	(a)	100.0
5. Hazardous Waste Quantity	(a)	10.0
6. Waste Characteristics	100	6.0
Targets:		
7. Nearest Well	(b)	0.0
8. Population:		
8a. Level I Concentrations	(b)	0.0
8b. Level II Concentrations	(b)	0.0
8c. Potential Contamination	(b)	0.0
8d. Population (lines 8a + 8b + 8c)	(b)	0.0
9. Resources	5	0.0
10. Wellhead Protection Area	20	0.0
11. Targets (lines 7 + 8d + 9 + 10)	(b)	0.0
Ground Water Migration Score for an Aquifer:		
12. Aquifer Score [(lines 3 x 6 x 11)/82,500] ^c	100	0.0
Ground Water Migration Pathway Score:		
13. Pathway Score (S_{gw}), (highest value from line 12 for all aquifers evaluated) ^c	100	0.0

^a Maximum value applies to waste characteristics category

^b Maximum value not applicable

^c Do not round to nearest integer

TABLE 5-1 --SOIL EXPOSURE PATHWAY SCORESHEET

Factor categories and factors	Maximum Value	Value Assigned
Likelihood of Exposure:		
1. Likelihood of Exposure	550	0.0
Waste Characteristics:		
2. Toxicity	(a)	10000.0
3. Hazardous Waste Quantity	(a)	100.0
4. Waste Characteristics	100	32.0
Targets:		
5. Resident Individual	50	
6. Resident Population:		
6a. Level I Concentrations	(b)	0
6b. Level II Concentrations	(b)	
6c. Population (lines 6a + 6b)	(b)	
7. Workers	15	5.0
8. Resources	5	
9. Terrestrial Sensitive Environments	(c)	
10. Targets (lines 5 + 6c + 7 + 8 + 9)	(b)	5.0
Resident Population Threat Score		
11. Resident Population Threat Score (lines 1 x 4 x 10)	(b)	0.0
Nearby Population Threat		
Likelihood of Exposure:		
12. Attractiveness/Accessibility	100	5.0
13. Area of Contamination	100	5.0
14. Likelihood of Exposure	500	5.0
Waste Characteristics:		
15. Toxicity	(a)	10000.0
16. Hazardous Waste Quantity	(a)	100.0
17. Waste Characteristics	100	32.0
Targets:		
18. Nearby Individual	1	1.0
19. Population Within 1 Mile	(b)	66.0
20. Targets (lines 18 + 19)	(b)	67.0
Nearby Population Threat Score		
21. Nearby Population Threat (lines 14 x 17 x 20)	(b)	10720.0
Soil Exposure Pathway Score:		
22. Pathway Score ^d (S _s), [(lines (11+21)/82,500, subject to max of 100]	100	0.13

^a Maximum value applies to waste characteristics category

^b Maximum value not applicable

^c No specific maximum value applies to factor. However, pathway score based solely on terrestrial sensitive environments is limited to a maximum of 60

^d Do not round to nearest integer

TABLE 6-1 --AIR MIGRATION PATHWAY SCORESHEET

Factor categories and factors	Maximum Value	Value Assigned
Likelihood of Release:		
1. Observed Release	550	0.0
2. Potential to Release:		
2a. Gas Potential to Release	500	
2b. Particulate Potential to Release	500	
2c. Potential to Release (higher of lines 2a and 2b)	500	
3. Likelihood of Release (higher of lines 1 and 2c)	550	
Waste Characteristics:		
4. Toxicity/Mobility	(a)	0.0
5. Hazardous Waste Quantity	(a)	10.0
6. Waste Characteristics	100	0.0
Targets:		
7. Nearest Individual	50	0.0
8. Population:		
8a. Level I Concentrations	(b)	0.0
8b. Level II Concentrations	(b)	0.0
8c. Potential Contamination	(c)	0.0
8d. Population (lines 8a + 8b + 8c)	(b)	0.0
9. Resources	5	0.0
10. Sensitive Environments:		
10a. Actual Contamination	(c)	0.0
10b. Potential Contamination	(c)	0.0
10c. Sensitive Environments (lines 10a + 10b)	(c)	0.0
11. Targets (lines 7 + 8d + 9 + 10c)	(b)	0.0
Air Migration Pathway Score:		
12. Pathway Score (S_a) [(lines 3 x 6 x 11)/82,500] ^d	100	0.0

^a Maximum value applies to waste characteristics category

^b Maximum value not applicable

^c No specific maximum value applies to factor. However, pathway score based solely on sensitive environments is limited to a maximum of 60.

^d Do not round to nearest integer